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**From:** Eicher, Andrew C. [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A84EAB3A9A7B4DBB8DA1EC7B538D3556-EICHER, AND]  
**Sent:** 7/25/2018 6:51:10 PM  
**To:** Strynar, Mark [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5a9910d5b38e471497bd875fd329a20a-Strynar, Mark]  
**Subject:** RE: Nafion BP2 synthesis

Mark,

I did/am doing some more research regarding synthesizing BP1 from the monomer; I can't really find much to go on thus far but I'm waiting for my contact thorough Tony Williams to get back to me, so hopefully that will provide some insight. I have a feeling some heating in a NaOH solution might do the trick, and I think the ether links would be survive that.... I guess it is testable but we don't have too much of it to play with I imagine. I'll keep looking though, I'll find something eventually!

- Andrew

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**From:** Strynar, Mark  
**Sent:** Tuesday, July 24, 2018 12:52 PM  
**To:** Eicher, Andrew C. <eicher.andrew@epa.gov>  
**Subject:** RE: Nafion BP2 synthesis

Oh thanks.

Mark

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**From:** Eicher, Andrew C.  
**Sent:** Tuesday, July 24, 2018 12:06 PM  
**To:** Strynar, Mark <Strynar.Mark@epa.gov>  
**Subject:** RE: Nafion BP2 synthesis

To answer your earlier question, diglyme is referring to this:  
<https://www.sigmaaldrich.com/catalog/substance/diethyleneglycoldimethylether1341711196611?lang=en&region=US>.  
Guess that name makes sense.

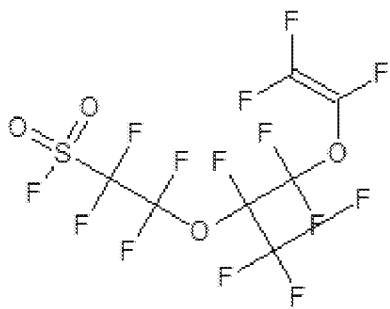
- Andrew

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**From:** Strynar, Mark  
**Sent:** Tuesday, July 24, 2018 9:28 AM  
**To:** Eicher, Andrew C. <eicher.andrew@epa.gov>  
**Cc:** McCord, James <mccord.james@epa.gov>  
**Subject:** Nafion BP2 synthesis

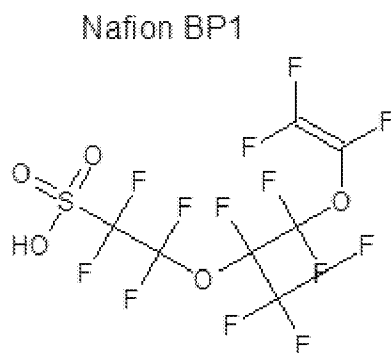
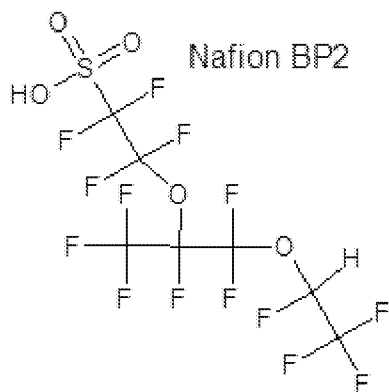
Andrew we have this chemical.

<http://synquestlabs.com/product/id/27815.html>



We need to turn it into Nafion BP1 and or Nafion BP2. I am most interested in Nafion BP2 as we want to do some tox testing on it and find it most often in water and human serum.

Here are Nafion BP1 and Nafion BP2.



Mark

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